

NOTEWORTHY COLLECTIONS

ARIZONA

PORTERELLA CARNOSULA (Hook. & Arn.) Torr. (CAMPANULACEAE).—Coconino Co., AZ, Fort Valley, just SW of the lower flanks of the San Francisco Peaks, Coconino National Forest. Plants dominating several small swales, growing in wet soil from desiccated ephemeral pools. UTM zone 12, 432968 E, 3902771 N, ca. 2225 m, with *Geum triflorum*, *Poa pratensis*, *Ranunculus cardiophyllus* var. *cardiophyllus*, *Plagiobothrys scouleri* var. *hispidulus*, *Limosella acaulis*, *Eleocharis ovata*, *Myosurus apetalus* var. *montanus*. 22 June 2005, K. Christie 788 (ASC).

Previous knowledge: AZ, UT, CA, NV, OR, ID, WY.
Significance: First collection in AZ since 1927.

CRYPTANTHAMINIMA Rydb. (BORAGINACEAE).—Coconino Co., AZ, Babbitt Ranches, ca. 4.5 km W of Double Top, private land. Plants growing on a flat, open slope in fine-textured clay-based soil. UTM zone 12, 408389 E, 3941541 N, ca. 1875 m, with *Pinus edulis*, *Juniperus monosperma*, *Gutierrezia sarothrae*, *Bouteloua gracilis*. 10 June 2005, K. Christie 641 (ASC).

Previous knowledge: TX, OK, NM, CO, KA, NE, SD, WY, MT, mostly on the plains east of the continental divide.

Significance: First record for AZ; range extension of ca. 500 km W and SW respectively, from central NM and southwest CO populations.

SUCKLEYA SUCKLEYANA (Torr.) Rydb. (CHENOPODIACEAE).—Coconino Co., AZ, Red Lake, ca. 3.5 km W of Cedar Mountain, private land. Plants growing in disturbed, wet soil/mud at the edge of a lake. UTM zone 12, 394613 E, 3915285 N, ca. 1975 m, with *Rumex salicifolius*, *Gnaphalium exilifolium*, *Limosella acaulis*, *Coreopsis tinctoria*, *Elatine brachysperma*, *Eleocharis palustris*. 16 September 2005, K. Christie 1193 (ASC).

Previous knowledge: TX, OK, NM, CO, KA, NE, ND, WY, MT.

Significance: First record for AZ; range extension of ca. 300 km W from Catron Co., NM.

PANICUM MOHAVEENSE J. Reeder (POACEAE).—Coconino Co., AZ, Babbitt Ranches, Rabbit Canyon, private land. Plants growing in small pockets of soil on a limestone bench. UTM zone 12, 427392 E, 3939582 N, ca. 1975 m, with *Pinus edulis*, *Juniperus monosperma*, *Gutierrezia sarothrae*, *Bouteloua gracilis*. 3 October 2005, K. Christie 1300 (ASC).

Previous knowledge: Mohave Co., AZ; and seen in 1998 in Socorro Co., NM.

Significance: New locality for a critically imperiled (G1) species; first record for Coconino Co.; range extension of ca. 250 km E from Mohave Co., AZ.

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CALIFORNIA

BITUMINARIA BITUMINOSA (L.) Stirton (FABACEAE).—Los Angeles County, cismontane foothills of

the San Gabriel Mountains: *Wesley O. Griesel s.n.* RSA, 11 April 1961, Millard Canyon, ca. 2000 ft. elev.; *Wesley O. Griesel* 620 RSA, 28 May 1962, same location; *Philip A. Munz* 24319 RSA, 29 May 1962, same location; *R.F. Thorne* 41500 RSA 18 Mar 1971, Cobal Canyon, 3 miles N of Claremont, ca. 1650 ft. elev.; *S. Hobbs* 1 (RSA, UCR), 22 Apr 1999, Clamshell Truck Trail above Monrovia, barely invading into chaparral, proliferating in disturbed soil on roadsides. *V. Soza et al.* 1308 (RSA) 28 Jun 2001, Forest Service Road 2N66, between Fern Canyon and Pine Canyon (ca. 2600 ft. elev., T2N, R12W S 29, north of Altadena). *V. Soza & LeRoy Gross* 1140 (RSA) 18 Apr 2001, Santa Anita 1999 fire area, between Little Santa Anita and Santa Anita Canyons, north side of Santa Anita Canyon Road along edges of minor canyon bottom ca. 1300 ft. elev. *Scott D. White* 9827 (RSA) 14 Oct 2003, “Auburn” debris basin at northern terminus of Auburn Ave., sterile seedling shrub, solitary in sand of debris basin floor (the single plant collected as the voucher; De Vries and Warniment also saw *B. bituminosa* there in 2005 but did not collect it). *Scott D. White* 9831 (RSA, UCR, duplicates to be distributed), 14 Oct 2003, “Carter” debris basin at the northern terminus of Baldwin Ave, about 10 shrubs in a cluster, growing in upland well above the debris basin margin, at edge of adjacent coastal sage scrub, many seedlings and a few mature shrubs also on the basin floor. *Scott D. White* 9839 (RSA, duplicates to be distributed), 22 Oct 2003, “Sierra Madre” debris basin at the northern terminus of Sumac St., a few plants on sandy slope above the ephemeral stream channel, just upstream from the debris basin; well past flowering and only calyces of earlier flowers present. *P. De Vries & A. Warniment s.n.* (RSA, not yet accessioned), 24 Mar 2005, “Lannan” debris basin just west of Santa Anita Canyon Road in Sierra Madre, growing on uplands in two patches totaling about one-quarter acre, surrounded by chaparral and coastal sage scrub, with little evidence of soil disturbance. *Lee Jones s.n.* (UCR) 14 May 2005, above Stone House Road and Kaia Lane in Sierra Madre (near “Lannan” debris basin, above), disturbed soil at edge of trail. *A. Warniment s.n.* (RSA, not yet accessioned), 15 July 2006, Monrovia Canyon Park, along trail between Nature Center and waterfall, about 100 yards from Nature Center at first switchback, several plants in drainage below culvert, between chaparral and oak woodland.

Los Angeles County, San Raphael Hills (eastern end of the Verdugo Mountains, between Glendale and Pasadena); *David Bramlet* 3526 (RSA), 1 Oct 2003, “Chamberlin” Debris Basin, about 1.5 km WNW of the Rose Bowl, about 1200 ft. elev.; ca. 5 plants.

Previous knowledge. Treated as *Psoralea bituminosa* L. in Munz 1968 (*Supplement to A California Flora*, UC Press Berkeley) and 1974 (*Flora of Southern California*, UC Press, Berkeley). Native to southern Europe, Spain east to Turkey and Crimea (T.G. Tutin et al. 1968, *Flora Europea* vol. 2, Cambridge Univ. Pr., London) and the Canary Islands (J. Izquierdo et al. 2001, *Lista de especies silvestres de Canarias. La Laguna* 100–140). Wesley O. Griesel collected the first known North American specimens at Millard Canyon in 1961. Philip